Yr	Mo	Vol	No	Title	Author	Call	Pg
1978	Jan	26	1	Amateur Radio Station W8CGK	Roger	W8CGK	1
1978	Jan	26	1	VHF RTTY News	Gamson, Arny	K6PXA	3
1978	Jan	26	1	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	4
1978	Jan	26	1	Autocom MA4: Part 2	Petlock, Neil	K9WRL	7
1978	Jan	26	1	RTTY - DX	Prinsen, Skip	WB6CYA	11
1978	Feb	26	2	Amateur Radio Station JA8ADO	Shige	JA8ADO	1
1978	Feb	26	2	VHF RTTY News	Gamson, Arny	K6PXA	3
1978	Feb	26	2	Cross Pattern Tuning Indicator	Stinnette, Nat	W4AYV	3
1978	Feb	26	2	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	4
1978	Feb	26	2	Automatic CW ID'er	Edwards, Chuck	W6MNO	4
1978	Feb	26	2	RTTY - DX	Prinsen, Skip	WB6CYA	5
1978	Feb	26	2	7th SARTG World Wide Contest Results			6
1978	Feb	26	2	"J" Pole Antenna	Roger	WB6QMN	7
1978	Feb	26	2	New Equipment - Info-Tech Model 75 Users Test Report	Edwards, Chuck	W6MNO	8
1978	Mar	26	3	Amateur Radio Operator WN7IOV	James	WN7IOV	1
1978	Mar	26	3	Amateur Radio Operator WN7IOU	Janet	WN7IOU	1
1978	Mar	26	3	Amateur Radio Operator K7YNY	Jack	K7YNY	1
1978	Mar	26	3	VHF RTTY News	Gamson, Arny	K6PXA	3
1978	Mar	26	3	The RM-300 RTTY Modem	Nurse, Howard L.	W6LLO	3
1978	Mar	26	3	Automatic CW ID'er (schematic)	Edwards, Chuck	W6MNO	4
1978	Mar	26	3	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	5
1978	Mar	26	3	Some Ideas on Automatic Station Control	Eadie, Jim	VE3DCX	5
1978	Mar	26	3	RTTY - DX	Prinsen, Skip	WB6CYA	10
1978	Mar	26	3	10th European DX-Contest Results			10
1978	Mar	26	3	Note from the Publisher	Crumpton, Dee	N6ELP	13
1978	Apr	26	4	Amateur Radio License Plate K7RY	Schrempp, Bill	K7RY	1
1978	Apr	26	4	VHF RTTY News	Gamson, Arny	K6PXA	3
1978	Apr	26	4	Modification of the Kenwood TS-820	Scharfe, Hank	W6SKC	3
1978	Apr	26	4	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	4
1978	Apr	26	4	Drake Owners Update	Mierau, Al	VE5WZ	4
1978	Apr	26	4	ASCII & HF Operation	Scharfe, Hank	W6SKC	6
1978	Apr	26	4	The DSI Frequency Counter: Part 1	Weitbrecht, Robert H.	W6NRM	6
1978	Apr	26	4	RTTY - DX	Prinsen, Skip	WB6CYA	8
1978	Apr	26	4	17th Annual W/W RTTY DX CARTG Decade Sweepstakes			9
1978	M/J	26	5	Amateur Radio Station 9M2MW	Mal	9M2MW	1
1978	M/J	26	5	VHF RTTY News	Gamson, Arny	K6PXA	3
1978	M/J	26	5	Terminal Unit - Audio Board - WR6ACA Repeater (schematic)	Gamson, Arny	K6PXA	4
1978	M/J	26	5	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	6
1978	M/J	26	5	The DSI Frequency Counter: Part 2	Weitbrecht, Robert H.	W6NRM	6
1978	M/J	26	5	RTTY - DX	Prinsen, Skip	WB6CYA	8
1978	M/J	26	5	New Receiving Converter Design (CVA-43): Part 1	Coffey, LCDR G.W.		11
1978	J/A	26	6	Amateur Radio Operator W6SKC	Scharfe, Hank	W6SKC	1
1978	J/A	26	6	Amateur Radio Operator W8CQ	Dunn, Dusty	W8CQ	1
1978	J/A	26	6	Amateur Radio Operator K2AGI	Sheets, John	K2AGI	1
1978	J/A	26	6	Amateur Radio Operator W8BBB	Guentzler, Ron	W8BBB	1
1978	J/A	26	6	RTTY - DX	Prinsen, Skip	WB6CYA	3
1978	J/A	26	6	It Was Incredible (Dayton, 1978)	Crumpton, Dee	N6ELP	3
1978	J/A	26	6	Amateur Radio Operator W0KE	Ken	W0KE	3
1978	J/A	26	6	Amateur Radio Operator W3KV	Possehl, John	W3KV	3
1978	J/A	26	6	Amateur Radio Operator WB0GUX	John	WB0GUX	3
1978	J/A	26	6	Amateur Radio Operator W8SDZ	Petersen, Keith	W8SDZ	3
1978	J/A	26	6	Amateur Radio Operator XE1LL	Cohen, Arthur	XE1LL	3
1978	J/A	26	6	RTTY Journal Publisher Dee Crumpton	Crumpton, Dee	N6ELP	3
1978	J/A	26	6	Amateur Radio Operator K0DGF	Dave	K0DGF	3
1978	J/A	26	6	VHF RTTY News	Gamson, Arny	K6PXA	5
1978	J/A	26	6	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	6
1978	J/A	26	6	Amateur Radio Operator W8KUK	Paul	W8KUK	6
1978	J/A	26	6	Amateur Radio Operator K8JUG	Boerkoel, Truman	K8JUG	6
1978	J/A	26	6	Amateur Radio Operator WA9WJP	Thompson, Mike	WA9WJP	6
1978	J/A	26	6	Amateur Radio Operator W5VSD	Bill	W5VSD	6
1978	J/A	26	6	Amateur Radio Operator JA3JM	Akio	JA3JM	6
1978	J/A	26	6	RTTY Journal Publisher Dee Crumpton	Crumpton, Dee	N6ELP	6
1978	J/A	26	6	New Receiving Converter Design (CVA-43): Part 2	Coffey, LCDR G.W.		7
1978	J/A	26	6	Amateur Radio Operator W8IDJ	Paul	W8IDJ	7
1978	J/A	26	6	Amateur Radio Operator W8CQ	Dunn, Dusty	W8CQ	7
1978	J/A	26	6	8th SARTG World Wide RTTY Contest 1978			9
1978	J/A	26	6	VK/ZL DX Contest 1978			9
1978	J/A	26	6	18th Annual CARTG W/W RTTY DX Dominion Sweepstakes			9

Yr	Mo	Vol	No	Title	Author	Call	Pg
1978	J/A	26	6	Ten American Districts (TAD) Award			10
1978	J/A	26	6	10th Giant Flash RTTY Contest Results			10
1978	J/A	26	6	13th Alexander Volta RTTY DX Contest			13
1978	J/A	26	6	DXCC Honor Roll			14
1978	Sep	26	7	Amateur Radio RTTY Repeater Station WR6ACR		WR6ACR	1
1978	Sep	26	7	VHF RTTY News	Gamson, Arny	K6PXA	3
1978	Sep	26	7	Dallas, Texas RTTY Computer	Aschenbrener, Tom	WB5PUC	3
1978	Sep	26	7	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	4
1978	Sep	26	7	Tips for Making Homebrew P.C. Boards	Stinnette, Nat	W4AYV	6
1978	Sep	26	7	The "AZCD" (Automatic Zero Centering Device)	King, Bill	W2LTJ	7
1978	Sep	26	7	Simple Autostart	Leibowitz, Melvin	W3KET	8
1978	Sep	26	7	RTTY - DX	Prinsen, Skip	WB6CYA	10
1978	Sep	26	7	1978 BARTG Contest Results			10
1978	Oct	26	8	Amateur Radio Operator VE7AKW at WB6CYA		VE7AKW	1
1978	Oct	26	8	VHF RTTY News	Gamson, Arny	K6PXA	3
1978	Oct	26	8	Keyboard Operated Relay	Eadie, Jim	VE3DCX	3
1978	Oct	26	8	RTTY in South East Asia	Molenm, S.E.		6
1978	Oct	26	8	Amateur Radio Operator 9M2CR	Richards, Colin	9M2CR	7
1978	Oct	26	8	Amateur Radio Operator VK2SG	Molen, Sid	VK2SG	7
1978	Oct	26	8	Amateur Radio Operator VS6EK		VS6EK	7
1978	Oct	26	8	Amateur Radio Operator VS6HF		VS6HF	7
1978	Oct	26	8	Amateur Radio Operator VS6NIW		VS6NIW	7
1978	Oct	26	8	Amateur Radio Operator F6ALL	Remy, Serge	F6ALL	8
1978	Oct	26	8	The "AZCD" (Automatic Zero Centering Device) (schematic)	King, Bill	W2LTJ	10
1978	Oct	26	8	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	11
1978	Oct	26	8	Another Use of the 555 Timer (anti-space)	Mills, G.	VE5CM	11
1978	Oct	26	8	RTTY - DX	Prinsen, Skip	WA6CYA	14
1978	Nov	26	9	RTTY Journal Publisher Dee Crumpton	Crumpton, Dee	N6ELP	1
1978	Nov	26	9	Amateur Radio Operator W6MNO	Edwards, Chuck	W6MNO	1
1978	Nov	26	9	VHF RTTY News	Gamson, Arny	K6PXA	3
1978	Nov	26	9	NuData UT-4 Board	Staffo, Vince	WB2FYZ	3
1978	Nov	26	9	RTTY - DX	Prinsen, Skip	WB6CYA	4
1978	Nov	26	9	The CARTG "Big Smoke"			4
1978	Nov	26	9	RTTY Contest Calendar			4
1978	Nov	26	9	14th Alexander Volta RTTY DX Contest			4
1978	Nov	26	9	From the Publisher	Crumpton, Dee	N6ELP	5
1978	Nov	26	9	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	11
1978	Dec	26	10	Preliminary Users Report - Info-Tech M300 Tri-Mode KBD	Edwards, Chuck	W6MNO	3
1978	Dec	26	10	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	9
1978	Dec	26	10	Up-date - DTU-1	Johnson, Ricky	WA0CKY	9
1978	Dec	26	10	RTTY - DX	Prinsen, Skip	WB6CYA	10
1978	Dec	26	10	The QRA Locator	Double, Ted	G3CDW	12
1978	Dec	26	10	VHF RTTY News	Gamson, Arny	K6PXA	16
1978	Dec	26	10	AFSK Generator	Geisler, Martin	WA6TIC	16
1978	Dec	26	10	AFSK Demodulator - "Charlie Special"		W6PNM	18
1978	Dec	26	10	To QRP or Not	Emil	IS0ESS	20
1978	Dec	26	10	Plus/Minus Power Supplies	Stinnette, Nat	W4AYV	21
1978	Dec	26	10	Note from the Publisher	Crumpton, Dee	N6ELP	21
1979	Jan	27	1	Amateur Radio Station F8XT	Hurtaud, Jean	F8XT	1
1979	Jan	27	1	RTTY - DX	Prinsen, Skip	WB6CYA	3
1979	Jan	27	1	A Gadget (optical detector for RTTY break-in from tape)	Eadie, Jim	VE3DCX	3
1979	Jan	27	1	1978 BARTG RTTY Contest Results			4
1979	Jan	27	1	RTTY Contest Calendar			4
1979	Jan	27	1	A Microprocessor Controlled WHO ARE YOU	White, Andrew B.	K9CW	7
1979	Jan	27	1	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	9
1979	Jan	27	1	RTTY and Traffic	Gagnon, D. Paul	N6MA	9
1979	Jan	27	1	VHF RTTY News	Gamson, Arny	K6PXA	12
1979	Jan	27	1	More on AZCD	Bertelli, Peter	W6KS	12
1979	Feb	27	2	RTTY - DX	Prinsen, Skip	WB6CYA	3
1979	Feb	27	2	SARTG Bulletin Transmissions			3
1979	Feb	27	2	BARTG Spring RTTY Contest 1979			3
1979	Feb	27	2	Hits & Misses from the Editor and His Mail	Edwards, Chuck	W6MNO	5
1979	Feb	27	2	RTTY Bandpass Active Filter	Stinnette, Nat	W4AYV	6
1979	Feb	27	2	VHF RTTY News	Gamson, Arny	K6PXA	7
1979	Feb	27	2	DXCC Honor Roll			7
1979	Feb	27	2	The Ultimate Non-Overline	Brightwell, Rich	WB6BJA	11
1979	Mar	27	3	Maritime Mobile Amateur Station F6DBY/MM		F6DBY/MM	1
1979	Mar	27	3	RTTY - DX	Prinsen, Skip	WB6CYA	3

Yr	Mo	Vol	No	Title	Author	Call	Pg
1979	Mar	27	3	CQ-DAFG Contest			4
1979	Mar	27	3	8th SARTG World Wide RTTY Contest 1978 Results			5
1979	Mar	27	3	DXCC Listing as of 1 Jan 1979			6
1979	Mar	27	3	Data Processing Quiz	Balm, Robert P.		8
1979	Mar	27	3	VHF RTTY News	Gamson, Arny	K6PXA	9
1979	Mar	27	3	New Low-pass Filter for S T-5			9
1979	Mar	27	3	Most Used Manuals for the 28 ASR & KSR TTY			9
1979	Mar	27	3	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	11
1979	Mar	27	3	Inverter for Yaesu FT901DM	Harris, Pete	WB1CRG	12
1979	Mar	27	3	M/V Yankee Trader's 1977 Round the World Cruise Itinery	Frahm, Bruce	K0BJ	13
1979	Mar	27	3	TH-5 Teletype Terminal Unit Revisited	McAdams, J.H.	W4YZ	18
1979	Mar	27	3	Second Look at thge Yaesu FSK RTTY Conversion	Stone, Mike	WB0QCD	19
1979	Mar	27	3	John P. Goheen, Editor	Goheen, John	KA6NYK	19
1979	Mar	27	3	W4YZ RTTY Scope	McAdams, J.H.	W4YZ	20
1979	Apr	27	4	Amateur Radio Station K0HSC	Westphall, Carroll	K0HSC	1
1979	Apr	27	4	RTTY - DX	Prinsen, Skip	WB6CYA	3
1979	Apr	27	4	World Wide RTTY ART Contest			3
1979	Apr	27	4	VHF RTTY News	Gamson, Arny	K6PXA	5
1979	Apr	27	4	Following is Something of Interest, No Doubt	Mierau, Al	VE5WZ	5
1979	Apr	27	4	TS-520 + RTTY	Clint	WB5DIT	7
1979	Apr	27	4	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	9
1979	Apr	27	4	Armed Forces Day Communications Test			9
1979	Apr	27	4	MSG-1 Baudot Message Generator	Young, Joe	W6RLL	10
1979	M/J	27	5	VHF RTTY News	Gamson, Arny	K6PXA	3
1979	M/J	27	5	9th SARTG World-Wide RTTY Contest 1979			3
1979	M/J	27	5	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	5
1979	M/J	27	5	VK/ZL Oceania DX Contest / 1979			5
1979	M/J	27	5	RTTY - DX	Prinsen, Skip	WB6CYA	7
1979	M/J	27	5	UART -- Revisited: Part 1	Hoff, Irvin M.	W6FFC	9
1979	M/J	27	5	UART -- Revisited: Part 1	Nurse, Howard	W6LLO	9
1979	M/J	27	5	11th Giant Flash RTTY Contest			11
1979	M/J	27	5	Dope on the UT-4	Gheradi, Alberto	I5BSM	15
1979	J/A	27	6	Amateur Radio Station I3FUE	Fabrici, Daniele	I3FUE	1
1979	J/A	27	6	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	3
1979	J/A	27	6	VHF RTTY News	Gamson, Arnt	K6PXA	5
1979	J/A	27	6	RTTY Anthology	Ralph	WA3FOF	5
1979	J/A	27	6	Push Button CW ID	Weiler, Gordon	W9ZQK	5
1979	J/A	27	6	Homebrew Range Module for the Drake TR7	Grokett, Ben	WA0OEQ/6	6
1979	J/A	27	6	RTTY - DX	Prinsen, Skip	WB6CYA	8
1979	J/A	27	6	DXCC Awards			8
1979	J/A	27	6	11th BARTG VHF/UHF Contest			9
1979	J/A	27	6	1979 BARTG Contest Summary			10
1979	J/A	27	6	UART -- Revisited: Part 2	Hoff, Irvin M.	W6FFC	11
1979	J/A	27	6	UART -- Revisited: Part 2	Nurse, Howard	W6LLO	11
1979	J/A	27	6	DXCC Honor Roll			11
1979	J/A	27	6	9th SARTG World-Wide RTTY Contest			14
1979	Sep	27	7	Amateur Radio Operator DF7FB at 4U1ITU		DF7FB	1
1979	Sep	27	7	Amateur Radio Operator DJ1Qt at 4U1ITU		DJ1QT	1
1979	Sep	27	7	Amateur Radio Operator HB9AVK at 4U1ITU	Paul	HB9AVK	1
1979	Sep	27	7	Amateur Radio Operator DJ8BT at 4U1ITU	Hans	DJ8BT	1
1979	Sep	27	7	Amateur Radio Operator DF6ZY at 4U1ITU		DF6ZY	1
1979	Sep	27	7	VHF RTTY News	Gamson, Arny	K6PXA	3
1979	Sep	27	7	Optimized LP Filter	Moore, Michael A.	N7RY	3
1979	Sep	27	7	Computer Talk	Gamson, Arny	K6PXA	3
1979	Sep	27	7	Getting Started	Henry, Bill	K9GWT	4
1979	Sep	27	7	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	7
1979	Sep	27	7	HAL's DS3100 ASR	Trego, Ed	W9WKC	8
1979	Sep	27	7	UART -- Revisited: Part 3	Hoff, Irvin M.	W6FFC	9
1979	Sep	27	7	UART -- Revisited: Part 3	Nurse, Howard	W6LLO	9
1979	Sep	27	7	RTTY - DX	Prinsen, Skip	WB6CYA	11
1979	Sep	27	7	End of Line Alarm for 28 Series Teletype	Weiler, Gordon	W9ZQK	13
1979	Sep	27	7	All VE/VO on RTTY (Contest)			14
1979	Sep	27	7	The CARTG Merit Award			14
1979	Sep	27	7	The CARTG 19th Annual W/W RTTY DX Sweepstakes			14
1979	Oct	27	8	Amateur Radio Operator WB0QCD	Stone, Mike	WB0QCD	1
1979	Oct	27	8	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	4
1979	Oct	27	8	DS-3000 KSR Modified	Kofrom, J.L.	K7GW	6
1979	Oct	27	8	Addenda to "HAL's DS-3100 ASR" Article	Trego, Ed	W9WKC	8

Yr	Mo	Vol	No	Title	Author	Call	Pg
1979	Oct	27	8	VHF RTTY News	Gamson, Arny	K6PXA	9
1979	Oct	27	8	Computer Talk	Gamson, Arny	K6PXA	9
1979	Oct	27	8	RTTY - DX	Prinsen, Skip	WB6CYA	10
1979	Oct	27	8	12th Europe & Africa Giant Flash Contest			10
1979	Oct	27	8	Australia - Oceania - Asia RTTY Flash Contest			11
1979	Oct	27	8	Improved Crystal Control for Drake "C" Line	Leibowitz, Melvin	W3KET	12
1979	Oct	27	8	Note from the Publisher	Crumpton, Dee	N6ELP	12
1979	Oct	27	8	North & South America RTTY Flash Contest			14
1979	Nov	27	9	VHF RTTY News	Stone, Mike	WB0QCD	4
1979	Nov	27	9	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	5
1979	Nov	27	9	BARTG Spring Contest - Results & Report			7
1979	Nov	27	9	RTTY - DX	Prinsen, Skip	WB6CYA	10
1979	Nov	27	9	Islands of the World DX Award			11
1979	Nov	27	9	5 Continent World RTTY Championship			11
1979	Nov	27	9	AFSK Tone Mixer	Petlock, Neil	K9WRL	13
1979	Dec	27	10	Amateur Radio Operator WB9RTX	Ben	WB9RTX	1
1979	Dec	27	10	Amateur Radio Operator K9WRL	Petlock, Neil	K9WRL	1
1979	Dec	27	10	Amateur Radio Operator WA9KEK	Howie	WA9KEK	1
1979	Dec	27	10	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	3
1979	Dec	27	10	RTTY - DX	Prinsen, Skip	WB6CYA	4
1979	Dec	27	10	Yaesu FT101/FR101 RTTY Filters	Bagley, Joel	WB0YUI	4
1979	Dec	27	10	Yaesu FT101/FR101 RTTY Filters	Stone, Mike	WB0QCD	4
1979	Dec	27	10	VHF RTTY News	Stone, Mike	WB0QCD	7
1979	Dec	27	10	Equipment Review - Info-Tech Model M-70 Code and Speed Converter	Uhrmacher, Dick	K0VKH	12
1980	Jan	28	1	Amateur Radio Operator Bruce Balla	Ballo, Bruce	VE2QO	1
1980	Jan	28	1	RTTY - DX	Prinsen, Skip	WB6CYA	3
1980	Jan	28	1	DXCC Honor Roll			3
1980	Jan	28	1	VHF RTTY News	Stone, Mike	WB0QCD	4
1980	Jan	28	1	Tape Off the Floor	Wilson, R.	WB0ESF	4
1980	Jan	28	1	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	8
1980	Jan	28	1	DARC Contest			8
1980	Jan	28	1	The MS-5, A Quick and Clean Personalized RTTY ID	Petlock, Neil	K9WRL	9
1980	Feb	28	2	Amateur Radio Operator W8JLN	Jim	W8JLN	1
1980	Feb	28	2	More TS-520S + RTTY	Filby, Larry	K1LPS	4
1980	Feb	28	2	The $75 Kit - Review of "MEG-1" Terminal Unit	Stone, Mike	WB0QCD	5
1980	Feb	28	2	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	6
1980	Feb	28	2	A Digital Readout for the UT-4	Prinsen, Skip	WB6CYA	7
1980	Feb	28	2	RTTY - DX	Prinsen, Skip	WB6CYA	8
1980	Feb	28	2	BARTG Spring RTTY Contest Rules			8
1980	Feb	28	2	Guidelines in Building a VHF RTTY Repeater	Stone, Mike	WB0QCD	9
1980	Feb	28	2	From the Publisher	Crumpton, Dee	N6ELP	10
1980	Feb	28	2	VHF RTTY News	Stone, Mike	WB0QCD	12
1980	Feb	28	2	Tape Off the Floor	Wilson, R.	WB0ESF	13
1980	Feb	28	2	User's Report - Macrotronics M-80	LaBelle, Ray	W6RUL	15
1980	Feb	28	2	Updated List of VHF/UHF RTTY Clubs, Groups, or Repeater Org.			15
1980	Feb	28	2	RTTY Microcomputing	Ryan, K.		16
1980	Feb	28	2	Autostart Message Counter	Kofrom, J.L.	K7GW	21
1980	Mar	28	3	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	3
1980	Mar	28	3	RTTY - DX	Prinsen, Skip	WB6CYA	5
1980	Mar	28	3	Results - 9th SARTG 1979 RTTY Contest			5
1980	Mar	28	3	VHF RTTY News	Stone, Mike	WB0QCD	7
1980	Mar	28	3	Datapro Electronics CW ID System Board (MS-6)	Staffo, Vince	WB2FYZ	11
1980	Mar	28	3	ASCII Bandplan	Stone, Mike	WB0QCD	12
1980	Apr	28	4	Amateur Radio Station HB9AVK	Paul	HB9AVK	1
1980	Apr	28	4	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	3
1980	Apr	28	4	VHF RTTY News	Stone, Mike	WB0QCD	5
1980	Apr	28	4	Amateur Radio Operator KA8BQH	Abernathy, Tammy	KA8BQH	5
1980	Apr	28	4	A Programmable Read Only Memory Programmer for 82S23 ...	Moore, Michael A.	N7RY	9
1980	Apr	28	4	RTTY - DX	Prinsen, Skip	WB6CYA	10
1980	Apr	28	4	Results of Australia - Oceania - Asia RTTY Flash Contest			10
1980	Apr	28	4	On Contests (standardizing formats)	Johnson, Paul	K0PJ	10
1980	Apr	28	4	Disabling the Answer-Back on the Seimens T-100	MacKeand, Crawford	WA3ZKZ	12
1980	Apr	28	4	Tape Off The Floor	Wilson, R.	WB0ESF	12
1980	Apr	28	4	RTTY Microcomputing	Abrams, Clayton	K6AEP	14
1980	Apr	28	4	Users Report on Info-Tech Model 200E	Edwards, Chuck	W6MNO	14
1980	M/J	28	5	Amateur Radio Station NN3SI		NN3SI	1
1980	M/J	28	5	Amateur Radio Operator N3DF	Friedman, Neil	N3DF	1
1980	M/J	28	5	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	4

Yr	Mo	Vol	No	Title	Author	Call	Pg
1980	M/J	28	5	RTTY - DX	Prinsen, Skip	WB6CYA	5
1980	M/J	28	5	Results of DAFG Short Contest			5
1980	M/J	28	5	Silent Key - Paco, XE1WU (obit)	Paco	XE1WU	5
1980	M/J	28	5	North & South America RTTY Flash Results			5
1980	M/J	28	5	"Blockbuster" (RTTY all-call system)	Parry, Richard	W9IF	9
1980	M/J	28	5	VHF RTTY News	Stone, Mike	WB0QCD	11
1980	M/J	28	5	Tape Off The Floor	Wilson, R.	WB0ESF	11
1980	M/J	28	5	Notes on Re-inking Ribbons	Chapman, Dave E.	W9DPY	12
1980	M/J	28	5	Joe's Switch Box	Kofrom, J.L.	K7GW	14
1980	J/A	28	6	Amateur Radio Operator Jeff, son of WB0QCD	Stone, Jeff		1
1980	J/A	28	6	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	4
1980	J/A	28	6	Radcom Plus - New Product Review	Hammon, George	WA6CQW	4
1980	J/A	28	6	RTTY - DX	Prinsen, Skip	WB6CYA	5
1980	J/A	28	6	DXCC Honor Roll			5
1980	J/A	28	6	VK/ZL/Oceania 1980 RTTY DX Contest			5
1980	J/A	28	6	SARTG 9th World Wide Contest 1979 Results			6
1980	J/A	28	6	VHF RTTY News	Stone, Mike	WB0QCD	9
1980	J/A	28	6	RTTY Microcomputing	Abrams, Clayton	K6AEP	10
1980	J/A	28	6	The EPROM Contester (schematic)	Johnson, Paul	K0PJ	11
1980	J/A	28	6	"Blockbuster" (RTTY all-call system): Part 2	Parry, Richard	W9IF	16
1980	Sep	28	7	Amateur Radio Station 9A1ONU		9A1ONU	1
1980	Sep	28	7	VHF RTTY News	Stone, Mike	WB0QCD	3
1980	Sep	28	7	Tape Off The Floor	Wilson, R.	WB0ESF	3
1980	Sep	28	7	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	4
1980	Sep	28	7	RTTY - DX	Prinsen, Skip	WB6CYA	6
1980	Sep	28	7	Contests - Contests - Contests			7
1980	Sep	28	7	The EPROM Contester	Johnson, Paul	K0PJ/6	9
1980	Sep	28	7	From you Editor / Publisher	Crumpton, Dee	N6ELP	14
1980	Oct	28	8	Amateur Radio Station I5FLN	Fusari, Luciano	I5FLN	1
1980	Oct	28	8	Seattle National Amateur Radio Convention (photos)			3
1980	Oct	28	8	A Quick Means of Determining CW Code Speed	Edwards, Chuck	W6MNO	6
1980	Oct	28	8	RTTY Microcomputing	Abrams, Clayton	K6AEP	7
1980	Oct	28	8	RTTY - DX	Prinsen, Skip	WB6CYA	8
1980	Oct	28	8	QSL Managers List			8
1980	Oct	28	8	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	10
1980	Oct	28	8	The "Cadillac" Filter	Moore, Michael A.	N7RY	11
1980	Oct	28	8	Hookup for Teletype Model 33 Loop Circuit Using MCT-2 Opto-isloator	Greves, John	W9RI	12
1980	Oct	28	8	Autostart Delay Circuit for "CHarlie Special"	Williams, Rudolph	WD5DGI/6	12
1980	Oct	28	8	VHF RTTY News	Stone, Mike	WB0QCD	13
1980	Oct	28	8	NS-1A Terminal Unit	Stinnette, Nat	W4AYV	13
1980	Nov	28	9	Amateur Radio Operator G14AHP	Sloan, Ted	G14AHP	1
1980	Nov	28	9	RTTY - DX	Prinsen, Skip	WB6CYA	3
1980	Nov	28	9	Digital and Logic Integrated Circuits	Stinnette, Nat	W4AYV	4
1980	Nov	28	9	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	7
1980	Nov	28	9	RTTY Communications Processor V3.0 Users Report	Prinsen, Skip	WB6CYA	10
1980	Nov	28	9	Model 32 ASR Wiring Conversion	Petlock, Neil	K9WRL	11
1980	Nov	28	9	VHF RTTY News	Stone, Mike	WB0QCD	13
1980	Dec	28	10	Equipment Review - Info-Tech M-200F	Uhrmacher, Dick	K0VKH	3
1980	Dec	28	10	ASCII RTTY Experiments	Abrams, Clayton	K6AEP	4
1980	Dec	28	10	RTTY - DX	Prinsen, Skip	WB6CYA	6
1980	Dec	28	10	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	7
1980	Dec	28	10	Results - 1st DARC Corona Contest			8
1980	Dec	28	10	Results - 3rd DARC Corona Contest			8
1980	Dec	28	10	BARTG Spring Contest			8
1980	Dec	28	10	The Bit-Byter	Hammon, George	WA6CQW	9
1980	Dec	28	10	HAL ST-6 Modification	Kofrom, J.L.	K7GW	9
1980	Dec	28	10	AMTOR, An Improved Error-Free RTTY System	Martinez, Peter	G3PLX	10
1981	Jan	29	1	Amateur Radio Station W3EAG	Gibson, Tom	W3AEG	1
1981	Jan	29	1	RTTY Microcomputing	Abrams, Clayton	K6AEP	3
1981	Jan	29	1	Notes on the 74S188 from "Down Under"	Collins, Ron	VK5RY	4
1981	Jan	29	1	Drake TR7 Continous Spectrum Transmit Modification	Grockett, Ben	KR6E / WA0OEQ	6
1981	Jan	29	1	The ST-6 for 110 Baud	Eric	VE3GSI	6
1981	Jan	29	1	RTTY - DX	Prinsen, Skip	WB6CYA	7
1981	Jan	29	1	DXCC Honor Roll			7
1981	Jan	29	1	5 Continent World Wide RTTY Contest Championship			8
1981	Jan	29	1	Australia-Oceania & Asia RTTY Flash Contest			8
1981	Jan	29	1	North & South America RTTY Flash Contest			8
1981	Jan	29	1	Europe & Africa RTTY Flash Contest			8

Yr	Mo	Vol	No	Title	Author	Call	Pg
1981	Jan	29	1	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	10
1981	Jan	29	1	Compu-Ward Award			10
1981	Jan	29	1	Modifications to Info-Tech 300-300C	Spellman, Vernon	K6CNJ	11
1981	Jan	29	1	A-650 Macrotronics RTTY Interface APPLE II Micro-Computer	Edwards, Chuck	W6MNO	12
1981	Feb	29	2	RTTY - DX	Prinsen, Skip	WB6CYA	3
1981	Feb	29	2	DX Address List			3
1981	Feb	29	2	QSL Managers List			4
1981	Feb	29	2	SARTG 1980 Results			5
1981	Feb	29	2	SARTG RTTY 1981 Contest Aug 15-16,1981			5
1981	Feb	29	2	Results - 4th DARC Corona 10M RTTY Contest			7
1981	Feb	29	2	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	8
1981	Feb	29	2	BARTG Spring VHF/UHF Contest Rules			11
1981	Feb	29	2	DARC Corona 10M RTTY Contest Schedule - 1981			11
1981	Feb	29	2	Telecommunications Devices for the Deaf	Bruninga, Robert		12
1981	Feb	29	2	RTTY TRaffic Net	Wright, Bill	K4YZU	13
1981	Feb	29	2	A Universal CW/TTY Generator	Johnson, Paul	K0PJ/6	14
1981	Mar	29	3	Amateur Radio Station I8AA	Pentimali, Rasario	I8AA	1
1981	Mar	29	3	RTTY - DX	Prinsen, Skip	WB6CYA	3
1981	Mar	29	3	Users Report - Super RTTY System by Q.C. Systems	Johnson, Paul	K0PJ/6	4
1981	Mar	29	3	CARTG Sponsors & Awards - Oct 18-20, 1980			5
1981	Mar	29	3	Micro Computers in Amateur Radio	Kassner, Joe	G3ZCZ/W3	7
1981	Mar	29	3	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	10
1981	Mar	29	3	Results - Alexander Volta 15th RTTY DX Contest			13
1981	Mar	29	3	VHF RTTY News	Crumpton, Dee	N6ELP	14
1981	Apr	29	4	Amateur Radio Operator W6SKC - RR Mobile	Scharfe, Hank	W6SKC	1
1981	Apr	29	4	Amateur Radio Operator XE1LL - RR Mobile	Cohen, Arthur	XE1LL	1
1981	Apr	29	4	RTTY - DX	Prinsen, Skip	WA6CYA	3
1981	Apr	29	4	Rules - 16th Alexander Volta RTTY DX Contest			3
1981	Apr	29	4	DAFG/GARTG 10th Annual RTTY Contest			3
1981	Apr	29	4	Preventing RFI to and from a Microprocessor	Johnson, Paul	K0PJ	4
1981	Apr	29	4	From the Mail Bag - Right Out of the Blue	Goheen, John	KA6NYK	4
1981	Apr	29	4	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	5
1981	Apr	29	4	RTTY Microcomputing	Abrams, Clayton	K6AEP	7
1981	Apr	29	4	VHF News	Cunningham, John	WA9WJG	8
1981	Apr	29	4	14th European DX-Contest WAEDC 1981			8
1981	Apr	29	4	Results of the 13th European DX-Contest - WAEDC 1980 RTTY			12
1981	Apr	29	4	Result 3rd DARC Corona 10M RTTY Contest - Sept 27, 1980			13
1981	Apr	29	4	CARTG 20th Annual W/W RTTY DX "New Decade" Sweepstakes			14
1981	M/J	29	5	The HAL MSO Memory System	Grockett, Ben	KR6E	3
1981	M/J	29	5	VHF News	Cunningham, John	WA9WJG	4
1981	M/J	29	5	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	5
1981	M/J	29	5	1980 RTTY ART Contest Winners			8
1981	M/J	29	5	A History from SCATS Bulletin	Crumpton, Dee	N6ELP	9
1981	M/J	29	5	Troubleshooting the Model 28 Typing Unit	Bensinger, Dick	K8ILQ	10
1981	M/J	29	5	RTTY - DX	Prinsen, Skip	WA6CYA	11
1981	J/A	29	6	Amateur Radio Station KA6NYK	Goheen, John	KA6NYK	1
1981	J/A	29	6	Amateur Radio Station N6ELP	Crumpton, Dee	N6ELP	1
1981	J/A	29	6	RTTY - DX	Prinsen, Skip	WB6CYA	3
1981	J/A	29	6	DX Awards			3
1981	J/A	29	6	CARTG Contest Rules			5
1981	J/A	29	6	BARTG Contest Rules			5
1981	J/A	29	6	VHF News	Cunningham, John	WA9WJG	7
1981	J/A	29	6	BARTG Results			7
1981	J/A	29	6	Radio Teletype Traffic Handling		W5GHP	9
1981	J/A	29	6	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	10
1981	J/A	29	6	Drake TR7 Continuous Spectrum Transmit Modification	Grockett, Ben	KR6E	13
1981	J/A	29	6	Notes from Dayton, 1981 Hamvention	Crumpton, Dee	N6ELP	14
1981	J/A	29	6	Amateur Radio Operator W3KV	Possehl, John	W3KV	14
1981	J/A	29	6	Amateur Radio Operator K9GWT	Henry, Bill	K9GWT	14
1981	J/A	29	6	Amateur Radio Operator WA8GDT	Irish, Ralph	WA8GDT	14
1981	J/A	29	6	Amateur Radio Operator W6LLO	Nurse, Howard	W6LLO	14
1981	J/A	29	6	Amateur Radio Operator 5N0SID	May, Sid	5N0SID	14
1981	J/A	29	6	Amateur Radio Operator N6ELP	Crumpton, Dee	N6ELP	14
1981	J/A	29	6	Amateur Radio Operator KA6HHU		KA6HHU	14
1981	Sep	29	7	Amateur Radio Station K0JH	Hale, G.L. "Jerry"	K0JH	1
1981	Sep	29	7	A Flexible Audio Switching System for RTTY, Slow-scan, & Other App	Irish, Ralph	WA8GDT	3
1981	Sep	29	7	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	4
1981	Sep	29	7	VHF News	Cunningham, John	WA9WJG	5

Yr	Mo	Vol	No	Title	Author	Call	Pg
1981	Sep	29	7	Andres - A success Story	Chris	WD6DNW	5
1981	Sep	29	7	Home Brewed Automatic Time Sending Device	Pentimali, Rasario	I8AA	7
1981	Sep	29	7	Home Brewed Automatic Time Sending Device		I8RGD	7
1981	Sep	29	7	Home Brewed Automatic Time Sending Device		K7BV	7
1981	Sep	29	7	RTTY - DX	Prinsen, Skip	WB6CYA	12
1981	Oct	29	8	Amateur Radio Station WA9AKT	Meyer, Bob	WA9AKT	1
1981	Oct	29	8	DT600 RTTY Demodulator - Active Filter Conversion	Digby, S.A.	ZS6BLV	2
1981	Oct	29	8	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	6
1981	Oct	29	8	RTTY Journal Read Survey			6
1981	Oct	29	8	Silent Key, WA3ETN, Richard Wendler (obit)	Wendler, Richard	WA3ETN	6
1981	Oct	29	8	Who Says UCSD 1.1 Pascal is Slow!	Edwards, Chuck	W6MNO	8
1981	Oct	29	8	3341 Memory for the UT-4			9
1981	Oct	29	8	RTTY - DX	Prinsen, Skip	WB6CYA	10
1981	Oct	29	8	Mailbox Features and Control for the Heath H8/H89 Computer	LaBarbara, Hank	WB9UMK	10
1981	Oct	29	8	VHF News	Cunningham, John	WA9WJG	13
1981	Oct	29	8	From the Editor	Crumpton, Dee	N6ELP	15
1981	Nov	29	9	Amateur Radio Station 9M2MW	Mal	9M2MW	1
1981	Nov	29	9	External Oscillator for Drake TR-7	Kaelin, Walter E.	KB6BT	2
1981	Nov	29	9	DFD Systems Amateur Radio Teletype System - A Development Story	Jugel, Dick	K0DG	4
1981	Nov	29	9	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	7
1981	Nov	29	9	VHF Column by Skip	Prinsen, Skip	WB6CYA	9
1981	Nov	29	9	DX Column	Cunningham, John	WA9WJG	10
1981	Nov	29	9	RTTY Log/Bar Tuning Display	Grockett, Ben	KR6E	12
1981	Dec	29	10	Autcom MA4	Petlock, Neil	K9WRL	3
1981	Dec	29	10	VHF Column	Cunningham, John	WA9WJG	4
1981	Dec	29	10	Hits & Misses - From the Mailbag	Hammon, George	WA6CQW	6
1981	Dec	29	10	DX Column by Skip	Prinsen, Skip	WB6CYA	8
1981	Dec	29	10	DARC DX Awards			8
1981	Dec	29	10	DX Address Listing			11
1982	Jan	30	1	Happy 30th Anniversary to the Journal	Crumpton, Dee	N6ELP	1
1982	Jan	30	1	DX Column by Skip	Prinsen, Skip	WB6CYA	3
1982	Jan	30	1	DXCC Honor Roll			3
1982	Jan	30	1	Autocom MA4	Petlock, Neil	K9WRL	5
1982	Jan	30	1	Hits & Misses by George	Hammon, George	WA6CQW	9
1982	Jan	30	1	VHF Column by John	Cunningham, John	WA9WJG	11
1982	Jan	30	1	BARTG Spring RTTY Contest			12
1982	Jan	30	1	CW and RTTY World Championship (73 & RTTY Journal)			15
1982	Feb	30	2	Amateur Radio Opertator KD9I	Coons, Bill	KD9I	1
1982	Feb	30	2	Amateur Radio Opertator WA9KEK	Olson, Howie	WA8KEK	1
1982	Feb	30	2	Amateur Radio Station W9QVE (Argonne National Laboratory)		W9QVE	1
1982	Feb	30	2	DX RTTY by Bill	Snyder, Bill	W0LHS	3
1982	Feb	30	2	12th SARTG World Wide Contest Rules			3
1982	Feb	30	2	Results of the 11th SARTG World Wide RTTY Contest			4
1982	Feb	30	2	BARTG Spring RTTY Contest 1982			4
1982	Feb	30	2	DARC Corona 1981 Contest			5
1982	Feb	30	2	Hits & Misses by George	Hammon, George	WA6CQW	8
1982	Feb	30	2	Argonne Amateur Radio Club Exhibit	Doering, Richard W.	WA6CFM	8
1982	Feb	30	2	VHF Column by John	Cunningham, John	WA9WJG	10
1982	Feb	30	2	New Product Announcement - Macrotronics Morse Code for TRS-80			10
1982	Mar	30	3	Amateur Radio Station JR6AG	Takara, Katsuo	JR6AG	1
1982	Mar	30	3	Hits & Misses by George	Hammon, George	WA6CQW	3
1982	Mar	30	3	Apple Computers and RTTY	Hammon, George	WA6CQW	4
1982	Mar	30	3	VHF Column by John	Cunningham, John	WA9WJG	5
1982	Mar	30	3	DX RTTY by Bill	Snyder, Bill	W0LHS	9
1982	Mar	30	3	ST-6 Mods for 110 Baud ASCII	Moore, Michael A.	N7RY	10
1982	Mar	30	3	Autostart Motor Switch	Lupton, Jim	VK2BVJ	15
1982	Apr	30	4	Winner, 1981 Worldwide RTTY Art Contest - KA6HJK	Carter, Jean	KA6HJK	1
1982	Apr	30	4	DX RTTY by Bill	Snyder, Bill	W0LHS	3
1982	Apr	30	4	VHF Column by John	Cunningham, John	WA9WJG	4
1982	Apr	30	4	Crystal Clear Autostart	Simonds, Terry	WB4FXD/1	5
1982	Apr	30	4	The Epson MX-80F/T Printer and the HAL DS-3100 ASR Terminal	Uhrmacher, Dick	K0VKH	8
1982	Apr	30	4	Hits & Misses by George	Hammon, George	WA6CQW	15
1982	M/J	30	5	Amateur Radio Station VK2SG Mobile RTTY	Molen, Sid	VK2SG	1
1982	M/J	30	5	Hits & Misses by George	Hammon, George	WA6CQW	3
1982	M/J	30	5	DX RTTY by Bill	Snyder, Bill	W0LHS	4
1982	M/J	30	5	DX Data Base for the Apple Computer			8
1982	M/J	30	5	Interpreting RTTY Weather Data (from 2/76 RJ)			11
1982	M/J	30	5	VHF Column by John	Cunningham, John	WA9WJG	15

Yr	Mo	Vol	No	Title	Author	Call	Pg
1982	J/A	30	6	Some of the RTTY Gang at the Imperial House North in Dayton			1
1982	J/A	30	6	News	Crumpton, Dee	N6ELP	2
1982	J/A	30	6	DX RTTY by Bill	Snyder, Bill	W0LHS	3
1982	J/A	30	6	DX Honor Roll			8
1982	J/A	30	6	Results of CW/RTTY World Championship - 73 & RTTY Journal			8
1982	J/A	30	6	Hits & Misses by George	Hammon, George	WA6CQW	10
1982	J/A	30	6	Modifying the TS-830S for Narrow IF in SSB Mode	Devoldere, John	ON4UN	11
1982	J/A	30	6	Armed Forces Day Aftermath			11
1982	J/A	30	6	SARTG Results			14
1982	J/A	30	6	12th SARTG Rules - Aug 21-22, 1982			14
1982	J/A	30	6	FSK Power Spectrum	Conboy, Terry	N6RY	15
1982	Sep	30	7	Amateur Radio Station VP2EDX		VP2EDX	1
1982	Sep	30	7	RTTY Marriage	Workman, Larry	KA0JRQ	3
1982	Sep	30	7	Lord Howe Island DX-Pedition	Molen, Sid	VK2SG	4
1982	Sep	30	7	Lord Howe Island DX-Pedition	Storer, W.J. (Bill)	VK2EG	4
1982	Sep	30	7	Hits & Misses by George	Hammon, George	WA6CQW	6
1982	Sep	30	7	DX RTTY by Bill	Snyder, Bill	W0LHS	7
1982	Sep	30	7	Contest Calendar			13
1982	Sep	30	7	Interpreting Weather Data (revised)			14
1982	Sep	30	7	VHF Column by John	Cunningham, John	WA9WJG	15
1982	Oct	30	8	Ed "MAC" McGinley	McGinley, Ed "MAC"	K7BV	1
1982	Oct	30	8	DX RTTY by Bill	Snyder, Bill	W0LHS	5
1982	Oct	30	8	VHF Column by John	Cunningham, John	WA9WJG	9
1982	Oct	30	8	Hits & Misses by George	Hammon, George	WA6CQW	10
1982	Oct	30	8	Apple II-TU II Users Report	Edwards, Chuck	W6MNO	11
1982	Nov	30	11	Hits & Misses by George	Hammon, George	WA6CQW	4
1982	Nov	30	11	A Simple Tuning Indicator	Stinnette, Nat	W4AYV	4
1982	Nov	30	11	Survey of Microprocessor-based RTTY Terminal Systems	MacKeand, Crawford	WA3ZKZ	6
1982	Nov	30	11	DX RTTY by Bill	Snyder, Bill	W0LHS	8
1982	Nov	30	11	DX Awards			11
1982	Nov	30	11	Silent Key - Nat Stinnette, W4AYV	Stinnette, Nat	W4AYV	11
1982	Nov	30	11	50 and 75 Baud Basic Program for Receiving Baudot with the TRS-80	Lieber, Alejandro	LU1FCR	12
1982	Dec	30	10	"Robot" (product review of Robot 800)	Larsen, Hal	N6DOI	3
1982	Dec	30	10	Hits & Misses by George	Hammon, George	WA6CQW	4
1982	Dec	30	10	DX RTTY by Bill	Snyder, Bill	W0LHS	5
1982	Dec	30	10	DX Awards			9
1982	Dec	30	10	VHF Column by John	Cunningham, John	WA9WJG	15